



Internal Technology Partnerships

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TST Meeting at GRC
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ESTO

Earth Science Technology Office



Topics

- SBIR
- CETDP
- Technology Infusion



Small Business Innovative Research, SBIR

- **SBIR 1999 Phase 2 Proposals:**
 - Selection Announcement - September 6th
 - Approximately 45 ESE related technology developments
- **SBIR 2000 Solicitation**
 - Recommendations and Rankings due - September 27
 - Selections Announcements - October 13
 - Contracts Awarded - December 11
- **SBIR 2001/2002 Solicitation Guidelines**
 - No Cross-cutting subtopics
 - Enterprise subtopics increased from 18 to 24
 - New Applications Topic Area
 - Call for new subtopic in process



Cross-Enterprise Program Status (CETPD)

- **ESE Relevance Review complete**
 - 45 top ranking technology concept identified as either essential or enabling to the ESE (see hand-out)
- **Code R , CETDP Program Overview Meeting held at Hq on Aug 23-24**
- **CETDP NRA Selections and Award**
 - Selecting Official; Dr. Sam Vanneri
 - Selections Announcements near end of Sept
 - In-house or JPL task awards -within a month of announcements
 - Contract awards to industry/university - 3-4 months
- **Future Plans for CETDP**



What is Technology Infusion?

Technology infusion is the process of taking activities which lead to new and lower -cost scientific missions and investigations and ensuring their availability to the Earth Science user community.



Scope of the ESE Technology Infusion Plan

- Documents the technology infusion strategy for the ESE
- Based on the approved Integrated Technology Development Plan
- Lists key technologies projected to be available as derived from earlier technology assessments conducted by ESTO
- Assesses technology readiness and identifies technology readiness dates to enable future measurement
- Attempts to document the projected outcome of technology investments with regard to availability
- Describes methods of broadly disseminating information on capabilities and maturity of new technologies
- Based on the requirements in HOWI-7120-Y003, *Formulate and Approve Flight Missions*



Next Steps

- Develop ESE SBIR subtopics for the 2001-2002 solicitation
- Identify SBIR Phase 3 Candidates and/or Partnership Opportunities
- Complete ESE Technology Infusion Plan and seek HQ Approval
- Technology Investment Portfolio